Quiz 1

MP1 Meat in unsealed jars where flies could get to the meat developed maggots.

MP2 Meat in covered or sealed jars to prevent flies from getting to the meat did not develop maggots.

MP3 Sealing or covering with the jars with cheesecloth made no difference .

Conclusion: Maggots in rotting meat were not the result of spontaneous generation.

Remember that the exercise asks you to list the evidence.

MP1 and MP2 present the basic experimental data Redi collected.

MP3 eliminates an alternate hypothesis (remember the Holmes handout)

Conclusion: Note that confirmation of Redi’s hypothesis that fly eggs **caused** the maggots was not proved until 20 years later. In other words, Rodi’s experiment showed that access of flies to the meat was a sufficient condition for the appearance of maggots. The experiment by Leuwenhoek 20 years later demonstrated that maggots were fly larvae and thus flies were necessary condition for maggots anywhere. Notice how this difference is reflected in my statement of the conclusion.